Verify Code Membership

Overview

Description: This transaction allows a PoS, or any OHIE component, to access terminological information in the terminology service to verify that a code is a member of defined value set. A typical example would be to validate that the codes contained in an incoming patient data message are, in fact, from a required value set, e.g. the HIV ValueSet..

Both external systems and systems inside the HIE may perform this transaction directly with the TS. The sequence diagram below shows the steps that occur for a system using this transaction.

1. Membership: Is a Concept Code present in a specified Value Set. E,g., is Code '123XYZ' from ICD-10 a member of the HIV ValueSet.?

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Status: This operation has been extensively tested in FHIR Connectathons.
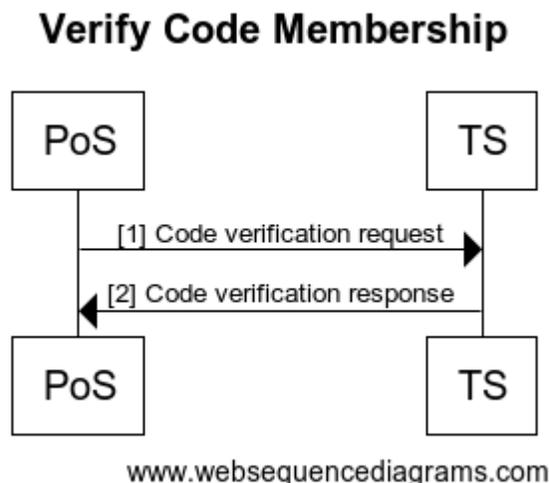
Referenced Standards and APIs

* The FHIR ValueSet *validate-code* operation: http://build.fhir.org/valueset-operation-validate-code.html. HL7 FHIR Specifications v3.0 or higher support *validate-code*. The response is a Boolean (true or false) based on whether the code is a member of the specified ValueSet.
* This workflow implements the IHE IT Infrastructure Technical Framework Supplement - Sharing Valuesets, Codes, and Maps (SVCM) Transaction: Validate Code ITI-Y5 for Value Sets.
* To verify code existence in a Code System, see the Verify Code Existence workflow.
* To retrieve all the Codes in a ValueSet, see the Expand Value Set workflow.

Assumptions and Prerequisites

* The required ValueSets and associated CodeSystems have been preloaded into the Terminology Service.

Actors

* PoS - The point-of-service system or other HIE component that is requesting to verify a code.
* TS - Stores the curated, official version of the Value Set for the health system.

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Technical details

Ref	Interaction	Endpoint	Data	Transaction Specification
1	Code verification request	TS	The validate-code request is triggered by a PoS or other HIE component. Input: A Concept Code, associated Code System and target ValueSet.	FHIR ValueSet Resource, $validate-code operation
2.	Code verification response	PoS	The response is sent back to the requesting system. Output: a True or False response.	FHIR ValueSet Resource, $validate-code operation